

APPENDIX A

December 8, 2005

Mr. Robbie Brown
ABC Company
1000 Happy Street
Columbia, SC 29201

Re: Renewal of Coverage to Operate Under the Terms and Conditions of General
Conditional Major Operating Permit (GCMP-02) "Fuel Combustion Operations"
ABC Company
Richland County, South Carolina
GCM02-1900-9999

Dear Mr. Brown:

The South Carolina Department of Health and Environmental Control (DHEC), Bureau of Air Quality, has completed review of the permit application submitted by ABC Company for renewal of coverage to operate under the terms and conditions of General Conditional Major Operating Permit (GCMP-02) "Fuel Combustion Operations." The Department has determined that this facility complies with the requirements of the referenced permit and is therefore being granted a renewal of coverage pursuant to South Carolina Regulation 61-62.1, Section II G(7). This permit decision is subject to and conditioned upon the terms, limitations, standards and schedules contained in, or specified on, the general permit. Notice of the Department's authorization for this facility to continue to operate under the terms and conditions of this permit will be provided to the public in the December 8, 2005 edition of the *South Carolina State Register*. **The facility's coverage under the terms and conditions of this permit shall become effective on January 01, 2006, provided no request for a contested case hearing is received by the Department.**

Authorization of general permit coverage is a final permit action for purposes of administrative review. The Administrative Procedures Act gives anyone with standing the right to request a contested case hearing to appeal any final permit decision made by the Department. A contested case hearing must be requested within fifteen (15) days following the date of permit coverage. If an appeal is not filed within the fifteen day period for a contested case hearing the Department's permit decision will be considered final.

Enclosed with this letter is a copy of General Conditional Major Operating Permit (GCMP-02) "Fuel Combustion Operations." Also enclosed are the "Record of Revisions" and "General Information" pages for this permit. These pages serve as documentation of your facility's individual coverage under this permit and should be kept with all other relative permit documents. If at any time this information should need to be updated, or if the facility is in need of a permit modification, these pages will be revised and replaced by the Bureau. Your permit engineer should be promptly notified of any updates, changes or proposed modifications at the facility. Please note for future reference and tracking purposes your facility has been assigned General Permit Identification Number GCM02-1900-9999.

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The facility's coverage to operate under the terms and conditions of this general permit will expire on July 31, 2011. In order to request coverage under the general permit, an application must be completed and submitted to SC DHEC, Bureau of Air Quality. If your facility is currently covered under the terms of the general permit, a renewal application must be submitted to the Department by the application renewal deadline date. The renewal deadline date is listed in Section C on the General Information page of your permit. The revised edition of the general permit can be viewed on our web address at www.scdhec.net/baq/, during normal business hours at any SC DHEC district office, or at DHEC, 2600 Bull Street, Columbia, SC 29201.

Should you have any questions concerning this general permit or your facility's renewal of coverage, please contact your permit engineer, N. Janir, of this office, at 803-898-4123, within 15 days of receipt of this letter.

Sincerely,

Carl W. Richardson, P.E., Director
Engineering Services Division
Bureau of Air Quality

Enclosures

cc: N. Janir, BAQ
Donna Moye, BAQ
N. Spekter, Region 3, Columbia EQC Office
GCMP-1900-9999

GENERAL CONDITIONAL MAJOR OPERATING PERMIT (GCMP-02)
FUEL COMBUSTION OPERATIONS
GENERAL PERMIT IDENTIFICATION #GCM02-1900-9999
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A. FACILITY MAILING ADDRESS:

COMPANY NAME : ABC Company
ADDRESS : 1000 Happy Street
CITY, STATE, ZIP : Columbia, SC 29201

B. FACILITY CONTACT / LOCATION INFORMATION:

RESPONSIBLE CONTACT : Mr. Robbie Brown
FACILITY TELEPHONE NUMBER : 803-555-5555
FACILITY LOCATION : 1000 Happy Street – Columbia
COUNTY : Richland

C. APPLICABLE PERMIT DATES:

ISSUE DATE : December 8, 2005
EFFECTIVE COVERAGE DATE : January 01, 2006
EXPIRATION DATE : July 31, 2011
APPLICATION RENEWAL DATE : February 01, 2011

D. SOURCE IDENTIFICATION:

Emission Unit ID	Equipment Description	Control Device
01	10.5 million BTU/hr natural gas/No. 5 Fuel oil (1.71% maximum sulfur content) fired Cleaver Brooks Boiler (BOILER #1)	N/A
02	10.5 million BTU/hr natural gas/No. 5 Fuel oil (1.71% maximum sulfur content) fired Cleaver Brooks Boiler (BOILER #2)	N/A
03	12.6 million BTU/hr natural gas/No. 5 Fuel oil (1.71% maximum sulfur content) fired Cleaver Brooks Boiler (BOILER #3)	N/A
04	3.4 million BTU/hr natural gas/No. 5 Fuel oil (1.71% maximum sulfur content) fired Cleaver Brooks Boiler (BOILER #4)	N/A
05	VOID - 1.67 million BTU/hr natural gas/No. 5 Fuel oil (1.71% maximum sulfur content) fired Cleaver Brooks Boiler (BOILER #5)	N/A
06	5.03 million BTU/hr natural gas/No. 5 Fuel oil (1.71% maximum sulfur content) fired Cleaver Brooks Boiler (BOILER #6)	N/A

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Emission Unit ID	Equipment Description	Control Device
07	12,000 gallon No. 5 Fuel Oil Storage Tank - NSPS Kb (STORAGE TANK #1)	N/A

E. EXEMPT EQUIPMENT OR PROCESSES:

ID	Description (Exemption Date)	Basis
GENERATOR #1	650 KW Waukesha Emergency Generator (Jan 01, 1967)	SC Regulation 62.1, Section II(F)(2)(e)
GENERATOR #2	1100 KW Detroit Emergency Generator (Jan 01, 1972)	SC Regulation 62.1, Section II(F)(2)(e)
GENERATOR #3	1750 KW Caterpillar Emergency Generator (Jan 01, 1992)	SC Regulation 62.1, Section II(F)(2)(e)
STORAGE TANK #2	6,000 gallon No. 2 Fuel Oil Storage Tank (Jan 01, 1990)	SC Regulation 62.1, Section II(F)(2)(g)
STORAGE TANK #3	6,000 gallon No. 2 Fuel Oil Storage Tank (Jan 01, 1997)	SC Regulation 62.1, Section II(F)(2)(g)

F. CONDITIONS:

Condition Number	Equipment ID	Conditions
1	N/A	The facility is permitted to operate only one of the two 10.5 million BTU/hr heat input boilers (ID 01-02) at any given time.
2	01-06	The boilers are not permitted to emit more than 97 TPY of SO ₂ and 85 TPY of NO _x based on the equations found in condition 3.F.1(4) of the General Conditional Major Operating Permit for Fuel Combustion Sources. The owner/operator shall calculate emission data and a 12-month rolling sum for SO ₂ and NO _x , based on the monthly fuel consumption. Reports of the calculated values and the 12-month rolling sum shall be submitted in accordance with section G of the General Conditional Major Operating Permit for Fuel Combustion Sources.

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The following is an example Fuel Burning Calculation Sheet



**Fuel Burning Calculation Sheet for
 General Conditional Major Operating Permits
 Bureau of Air Quality**

December 16, 2005

Use the following calculation sheet for determining fuel usage limitations. These tables allow facilities to customize their fuel usage to comply with emission limitations outlined in the general permit. Insert the requested information in the gray fields in the table below.

STEP 1 - Put the combined kW rating for all emergency generators at your site rated less than 600 hp (447 kW) in the table below.

Total kW rating for all emergency generators on-site	0		NOx	SO2
for generators less than 600 hp (447 kW)		factor (kg/kW-hr)	0.018848	0.0012464
		lb/hr	0	0
		tpy (@ 250 hrs/yr)	0	0

STEP 2 - Put the combined kW rating for all emergency generators at your site greater than or equal to 600 hp (447 kW) in the table below.

- Put the percent sulfur content in the table below.

Total kW rating for all emergency generators on-site	3500		NOx	SO2
for generators greater than 600 hp (447kW)		factor (kg/kW-hr)	0.014592	0.00245936
sulfur content of fuel (%)	0.5	lb/hr	112.5943526	18.97683985
		tpy (@ 250 hrs/yr)	14.07429408	2.372104981

NOTE: This calculation will have to be duplicated for each source or group of sources that uses a different sulfur content fuel.

STEP 3 - Put the combined kW rating for all non-emergency generators at your site rated less than 600 hp (447 kW) in the table below.

- Put the annual operating hours in the table below.

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Total kW rating for all non-emergency generators on-site	0		NOx	SO2
for generators less than 600 hp (447kW)		factor (kg/kW-hr)	0.018848	0.0012464
Operating hours	500	lb/hr	0	0
		tpy (@ [#] hrs/yr)	0	0

NOTE: This calculation will have to be duplicated for each source or group of sources with different operating hours limits.

- Non-emergency generators include peak shaving generators, compressors, fire pumps, and etc.

STEP 4 - Put the kW rating for all non-emergency generators at your site rated greater than or equal to 600 hp (447 kW) in the table below.

- Put the percent sulfur content in the table below.

- Put the annual operating hours in the table below.

Total kW rating for all non-emergency generators on-site	0		NOx	SO2
for generators greater than 600 hp (447kW)		factor (kg/kW-hr)	0.014592	0.00245936
sulfur content of fuel (%)	0.5	lb/hr	0	0
Operating hours	500	tpy (@ [#] hrs/yr)	0	0

NOTE: This calculation will have to be duplicated for each source or group of sources with different operating hours limits or that uses different sulfur contents.

- Non-emergency generators include peak shaving generators, compressors, fire pumps, and etc.

NOx emissions left after all generators have been accounted for	85.82571
SO2 emissions left after all generators have been accounted for	97.5279

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Revision Number	Final Revision Date	Description of Change (Specific Parts, Sections, and Tables Revised or Added)

Send copies of all revisions to Permit File, Main File, District EQC Office, EPA, and Facility Contact.